

**CORRECTED
VERSION***

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12N 15/10, C07K 1/00, 4/12, 7/08, G01N 33/50, 33/68, 33/566, A61K 38/03, 38/08		A3	(11) International Publication Number: WO 97/35969 (43) International Publication Date: 2 October 1997 (02.10.97)
(21) International Application Number: PCT/US97/05199 (22) International Filing Date: 28 March 1997 (28.03.97) (30) Priority Data: 08/623,361 28 March 1996 (28.03.96) US (60) Parent Application or Grant (63) Related by Continuation US Not furnished (CIP) Filed on Not furnished (71) Applicants (for all designated States except US): CHIRON CORPORATION [US/US]; 4560 Horton Street, Emeryville, CA 94608 (US). BRIGHAM AND WOMEN'S HOSPITAL [US/US]; Harvard Medical School, 75 Francis Street, Boston, MA 02115 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): ROSENBERG, Steven [US/US]; 2323 Bywood Drive, Oakland, CA 94602 (US). DOYLE, Michael [US/US]; 2709 Mountaingate Way, Oakland, CA 94611 (US). CHAPMAN, Harold, A. [US/US]; 435 Waban Avenue, Newton, MA 02168 (US).		(74) Agents: CHUNG, Ling, Fong et al.; Chiron Corporation, Intellectual Property - R440, P.O. Box 8097, Emeryville, CA 94662-8098 (US). (81) Designated States: AU, CA, IL, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 6 November 1997 (06.11.97)	

(54) Title: **PEPTIDE LIGANDS OF THE UROKINASE RECEPTOR**

(57) Abstract

Novel peptides that are capable of binding to uPAR and inhibiting the binding of an integrin and vitronectin are described. Also provided are nucleic acid sequences encoding the novel peptides. Methods for screening for small molecules, other peptides, or peptoids that mimic the antagonistic function of the peptides of the invention are described. The invention has applications in design of therapeutics for treating disorders characterized by upregulation of uPA and uPAR, and cancer and chronic inflammation, cell migration or uPAR: integrin binding interactions, and diagnostic applications to such disorders.

DOCKETED on/by 1/26 / WS
Atty. SMF PA
File # 1217, 100
Due Date 9/28/98 Ext NP2
Final Date 9/28/98